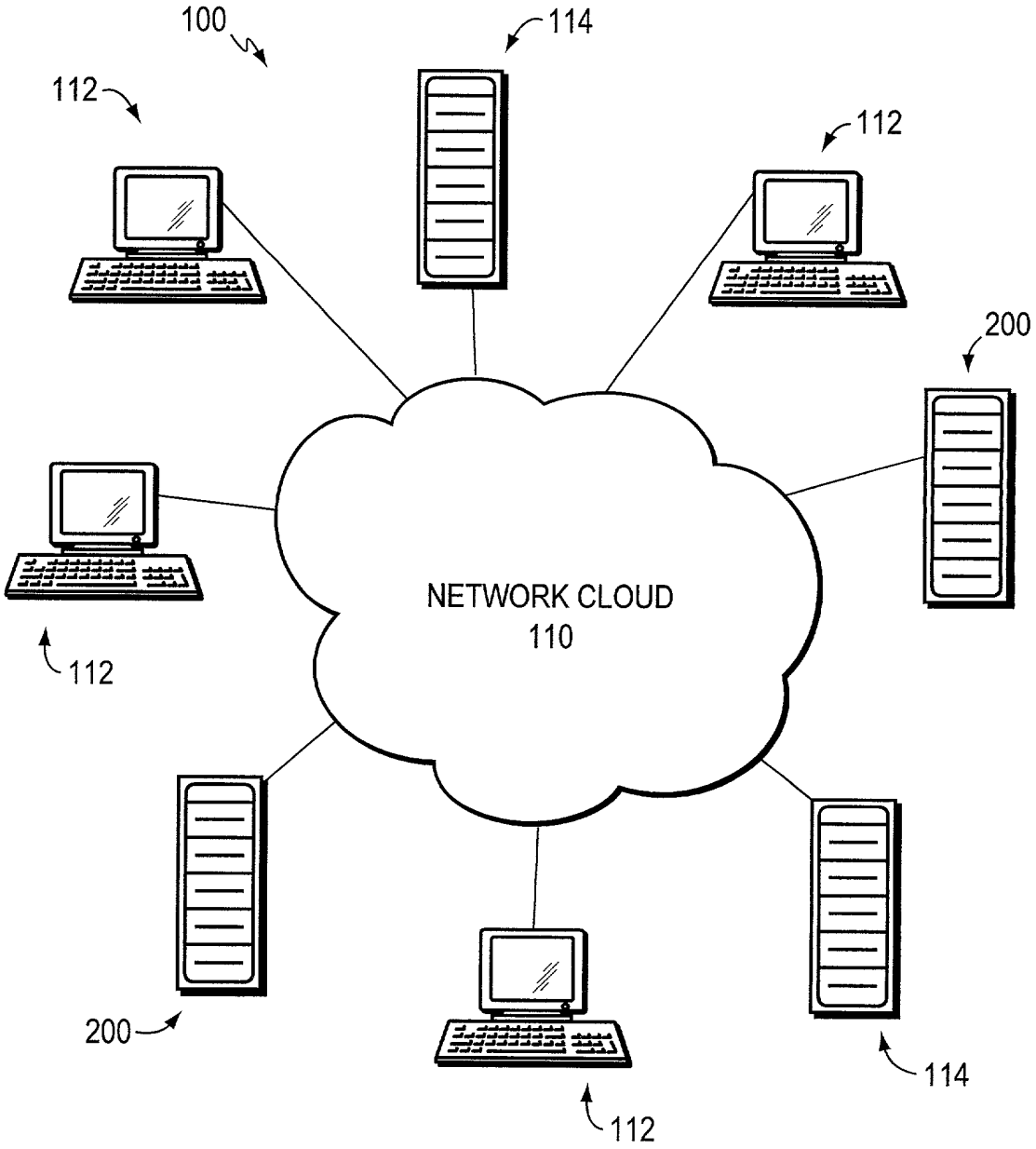

FIG. 1

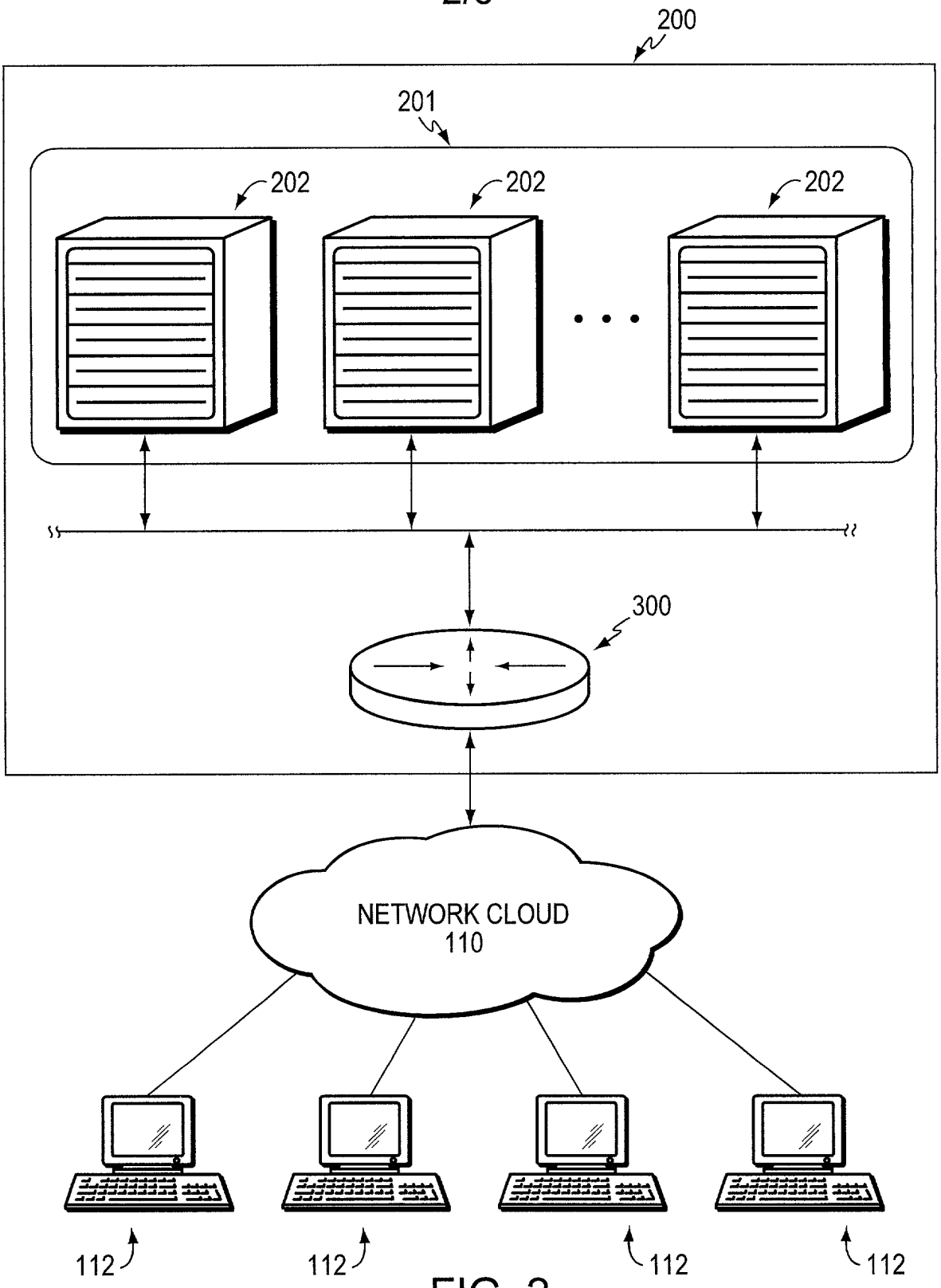

FIG. 2

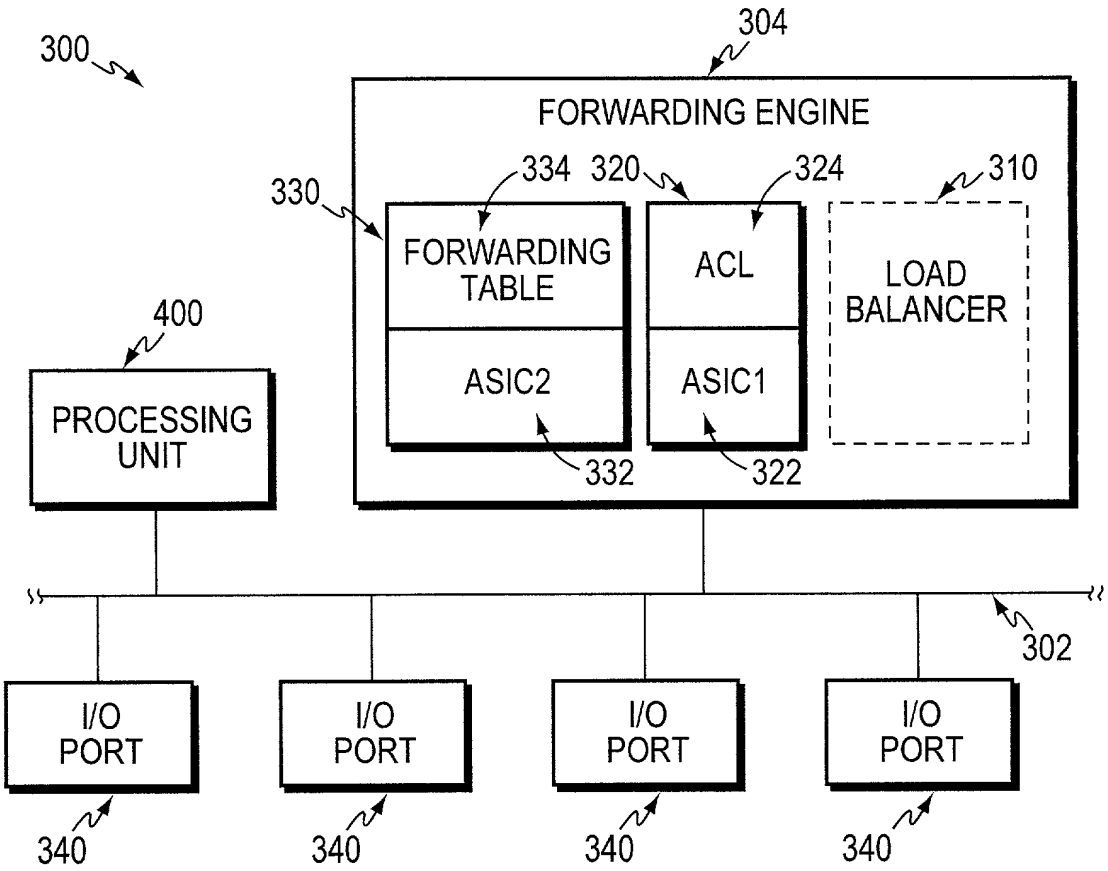
300
304
FORWARDING ENGINE
330
334
320
324
310
FORWARDING TABLE
ACL
LOAD BALANCER
400
PROCESSING UNIT
ASIC2
ASIC1
332
322
302
I/O PORT
I/O PORT
I/O PORT
I/O PORT
340
340
340
340

FIG. 3

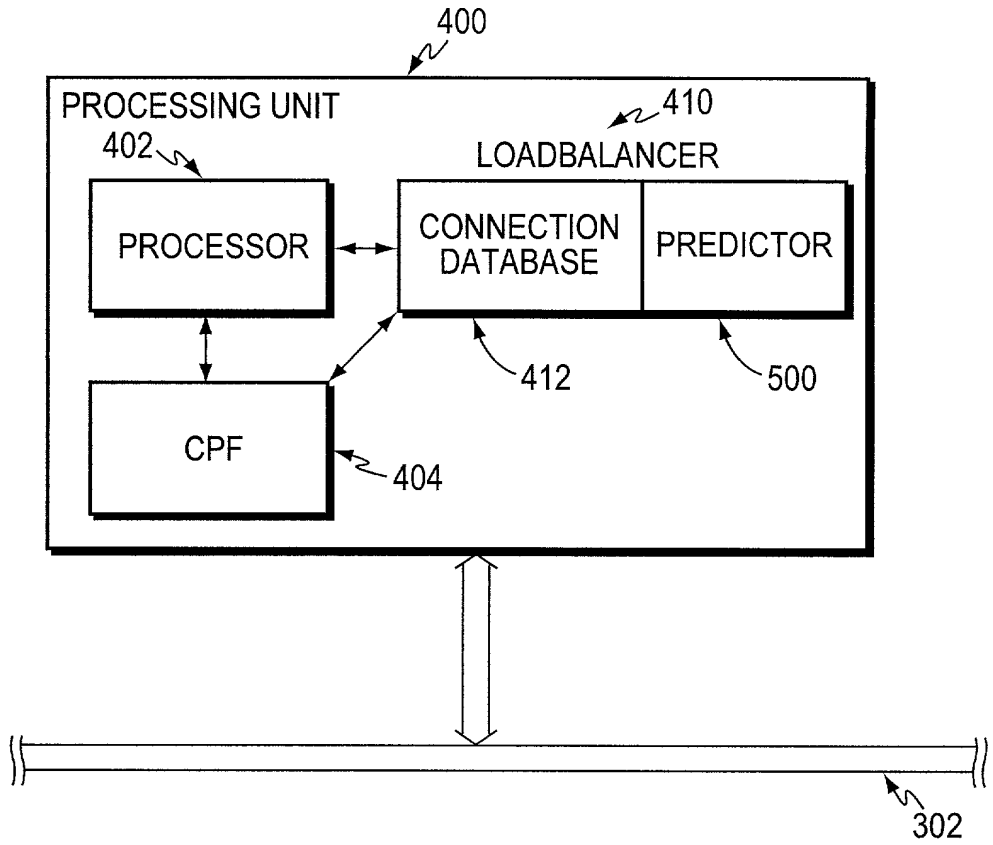
400
PROCESSING UNIT
402
410
LOADBALANCER
PROCESSOR
CONNECTION DATABASE
PREDICTOR
412
500
CPF
404
302

FIG. 4

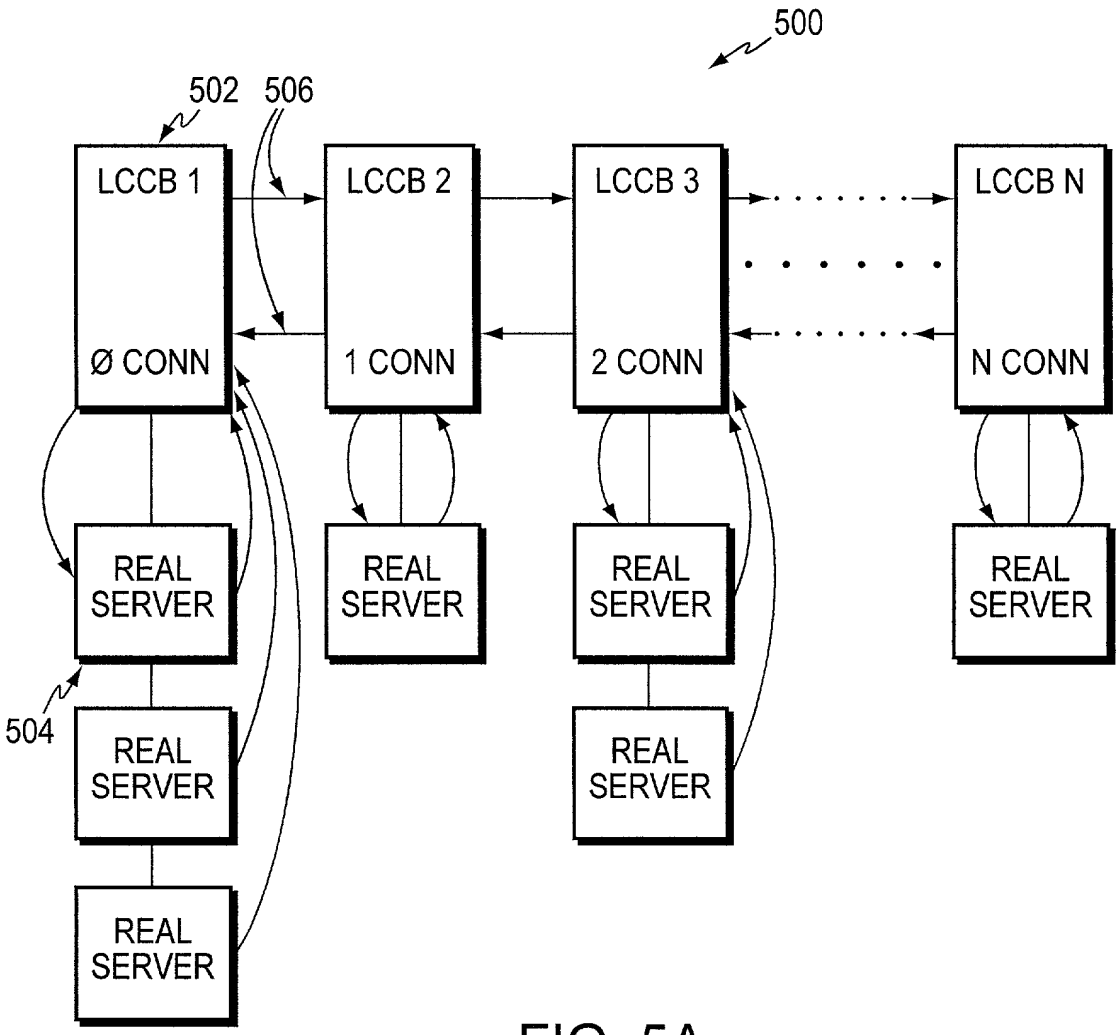
500
502
506
LCCB 1
LCCB 2
LCCB 3
LCCB N
Ø CONN
1 CONN
2 CONN
N CONN
REAL SERVER
REAL SERVER
REAL SERVER
REAL SERVER
504
REAL SERVER
REAL SERVER
REAL SERVER

FIG. 5A

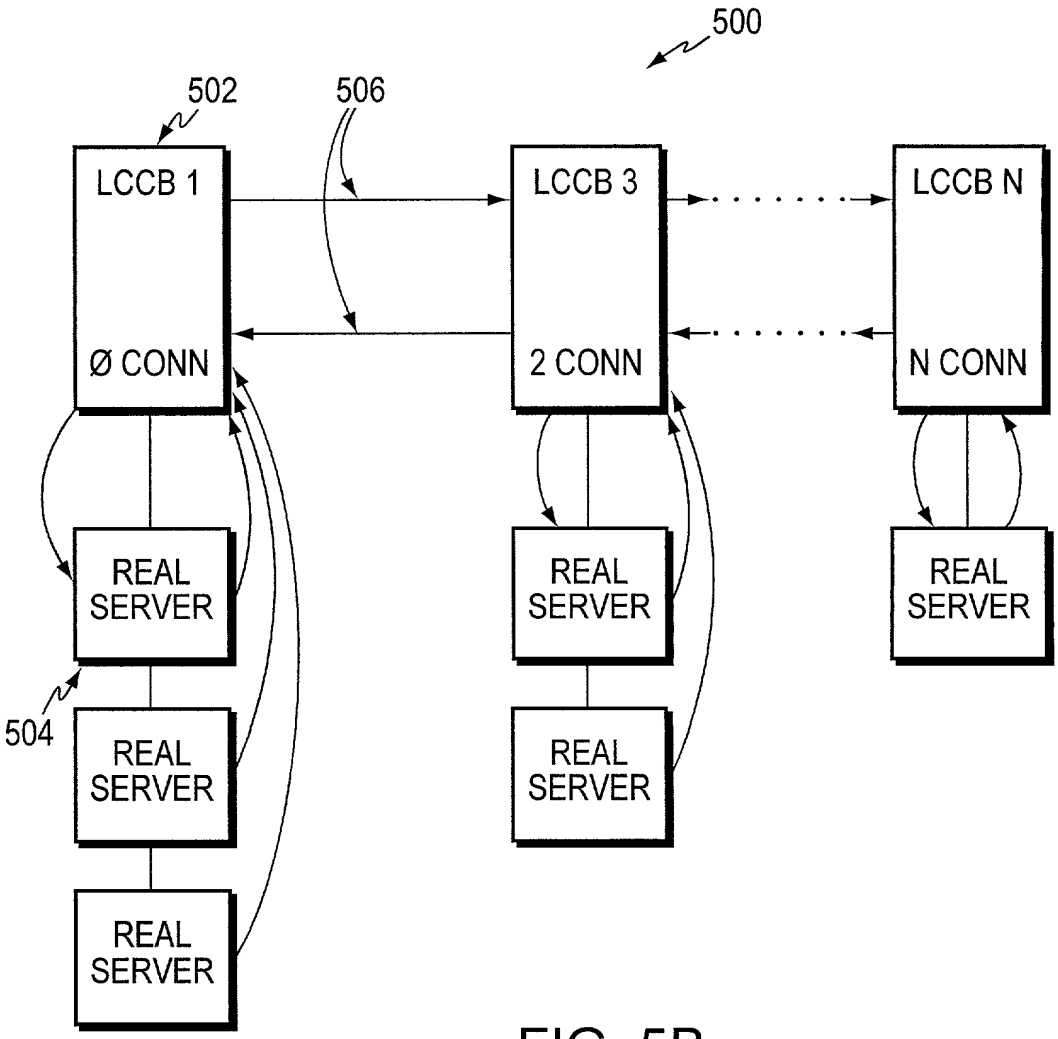
500
502
506
LCCB 1
Ø CONN
LCCB 3
2 CONN
LCCB N
N CONN
REAL SERVER
REAL SERVER
REAL SERVER
504
REAL SERVER
REAL SERVER
REAL SERVER

FIG. 5B